	2005		
Efficiency	Stock	Minimum	Best-Available
Parameter (1)	Efficiency	New Efficiency (2)	New Efficiency (4)
EF	0.88	0.92	0.95
EF	(3)	0.93	1.00
EF	(3)	0.92	2.51
EF	0.56	0.59	0.70
EF	(3)	0.62	0.98
EF	0.55	0.51	0.68
SEF	N.A.	0.70	47
Thermal Efficiency	98%	98%	100%
Thermal Efficiency	82%	80%	99%
Thermal Efficiency	77%	78%	84%
	Parameter (1) EF EF EF EF EF SEF Thermal Efficiency	Efficiency Stock Parameter (1) Efficiency EF 0.88 EF (3) EF 0.56 EF (3) EF 0.55 SEF N.A. Thermal Efficiency 98% Thermal Efficiency 82%	Efficiency Stock Minimum Parameter (1) Efficiency New Efficiency (2) EF 0.88 0.92 EF (3) 0.93 EF (3) 0.92 EF 0.56 0.59 EF (3) 0.62 EF 0.55 0.51 SEF N.A. 0.70 Thermal Efficiency 98% 98% Thermal Efficiency 82% 80%

Note(s): 1) EF = energy factor and SEF = solar energy factor, which is the hot water energy delivered by the solar system divided by the electric or gas energy input to the system. 2) Based on a 40-gallon residential type tank. 3) Included in storage stock efficiency. 4) Based on data from 2011 for electric heat pump, gas-fired storage and instantaneous, and solar water heaters and data from 2005 for the other types.

Source(s): EIA, Supplement to the AEO 2007, Feb. 2007, Table 21 and Table 22 for stock efficiencies; GAMA, Consumer's Directory of Certified Efficiency Ratings for the Residential and Water Heating Equipment, Aug. 2005 for best-available efficiencies for electric storage, electric instantaneous, and oil-fired storage and all minimum efficiencies; EPA, Qualified Product Lists, Mar. 16, 2011 for best-available efficiencies for electric heat pump, gas-fired storage and instantaneous, and solar; and SRCC, Summary of SRCC Certified Solar Collector and Water Heating System Ratings, Apr. 2000, p. S16 - S20 for solar energy factors, Table 2.2, p.